

WHAT IS CLAIMED IS:

1. An assembly for connecting a motor operator mechanism to side frames of a circuit breaker operating mechanism, the assembly comprising:

a plate connected between the side frames of the circuit breaker operating mechanism; and

a bracket portion secured to said plate, said bracket portion engages the motor operating mechanism;

wherein said bracket portion couples and aligns the motor operator mechanism and the circuit breaker operating mechanism.

2. The assembly of claim 1 wherein said plate includes:

a base portion having a first edge and a second edge;

a first leg depending from said second edge of said base portion, said first leg having a screw accepting aperture;

a second leg depending from said second edge of said base portion and adjacent to said first leg, said second leg having a screw accepting aperture.

3. The assembly of claim 1 wherein said bracket portion including:

a base having a first end and a second end;

a first leg extending from said first end of said base; and

a second leg extending from said second end of said base;

said first leg and said second leg each having a free end.

4. The assembly of claim 3 wherein said bracket portion is generally planar.

5. The assembly of claim 3 wherein said base of said bracket portion includes:

a first aperture and a first bushing, said first bushing aligns with said first aperture of said bracket portion; and

5 a second aperture and a second bushing, said second bushing aligns with said second aperture of said bracket portion.

6. The assembly of claim 2 wherein said plate further includes:

a third edge and a fourth edge, said third and fourth edges interposed with said first edge and said second edge;

10 a first tab extending outward from said third edge; and

a second tab extending outward from said fourth edge.

7. The assembly of claim 2 wherein said first leg of said plate and said second leg of said plate are angled outward from said base portion of said plate and lie substantially in the same plane to each other.

15 8. The assembly of claim 5 wherein said first aperture of said base of said bracket portion aligns with said screw accepting aperture of said first leg of said plate and said second aperture of said base of said bracket portion aligns with said screw accepting aperture of said second leg of said plate.

20 9. The assembly of claim 8 further comprising a screw threadingly engaged through said first aperture of said base and said screw accepting aperture of said first leg of said plate.

25 10. The assembly of claim 3 wherein said free end of said first leg of said bracket portion connects with the motor operator mechanism and said free end of said second leg of said bracket portion connects with the motor operator mechanism.

11. A circuit breaker assembly comprising:

an insulated case;

a circuit breaker operating mechanism including a first side frame and a second side frame, said first side frame and said second side frame mounted within said insulated case;

a motor operator mechanism; and

an assembly including:

a plate connected between said first side frame and said second side frame of said circuit breaker operating mechanism; and

a bracket portion secured to said plate, said bracket portion engages said motor operating mechanism;

wherein said bracket portion couples and aligns said motor operator mechanism and said circuit breaker operating mechanism.

12. The circuit breaker assembly of claim 11 wherein said plate includes:

portion
a base having a first edge and a second edge;

a first leg depending from said *second* ~~first~~ edge of said base portion, said first leg having a screw accepting aperture;

a second leg depending from said *second* ~~first~~ edge of said base portion and adjacent to said first leg, said second leg having a screw accepting aperture.

13. The circuit breaker assembly of claim 11 wherein said bracket portion including:

a base having a first end and a second end;

a first leg extending from said first end of said base; and

a second leg extending from said second end of said base;

said first leg and said second leg each having a free end.

14. The circuit breaker assembly of claim 13 wherein said bracket portion is generally planar.

15. The circuit breaker assembly of claim 13 wherein said base of said bracket portion includes:

a first aperture and a first bushing, said first bushing aligns with said first aperture of said bracket portion; and

a second aperture and a second bushing, said second bushing aligns with said second aperture of said bracket portion.

16. The circuit breaker assembly of claim 12 wherein said plate further includes:

a third edge and a fourth edge, said third and fourth edges interposed with said first edge and said second edge;

a first tab extending outward from said third edge; and

a second tab extending outward from said fourth edge.

17. The circuit breaker assembly of claim 12 wherein said first leg of said plate and said second leg of said plate are each angled outward from said base portion of said plate and lie substantially in the same plane to each other.

18. The circuit breaker assembly of claim 15 wherein said first aperture of said base of said bracket portion align with said screw accepting aperture of said first leg of said plate and said second aperture of said base of said bracket portion align with said screw accepting aperture of said second leg of said plate.

5 19. The circuit breaker assembly of claim 13 wherein said free end of said first leg of said bracket portion connects with the motor operator mechanism and said free end of said second leg of said bracket portion connects with the motor operator mechanism.

10 20. The circuit breaker assembly of claim 16 wherein said first side frame of said circuit breaker operating mechanism having a first opening and said second side frame of said circuit breaker operating mechanism having a second opening;

15 said first tab of said plate received within said first opening of said first side frame and said second tab of said plate received within said second opening of said second side frame.

21. The circuit breaker assembly of claim 15 further including:

a mounting base mounted on said insulated case, said mounting base having an opening and a cut out portion proximate to said opening; and

20 a handle extending outward from said insulated case and said opening of said mounting base;

wherein said free end of said first leg of said bracket portion and said free end of said second leg of said bracket portion extend through said cut out portion of said mounting base.

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22. The circuit breaker assembly of claim 21 wherein said motor operator mechanism includes:

a first side frame connected to a second side frame, said first side frame and said second side frame mounted within said motor operator mechanism and interconnected each having an edge, said edge having a first end and a second end and said mounting base includes a first end and a second end;

said first end of said first side frame of said motor operator mechanism and said first end of said second side frame of said motor operator mechanism are pivotally mounted to said second end of said mounting base;

said first end of said first side frame of said motor operator mechanism and said first end of said second side frame of said motor operator mechanism each having a recess;

said free end of said first leg of said bracket portion engaged with said recess of said first side frame of said motor operator mechanism and said free end of said second leg of said bracket portion engaged with said recess of said second side frame of said motor operator mechanism.

23. The circuit breaker assembly of claim 21 further comprising a screw threadingly engaged through said cut out portion of said mounting base, said first aperture of said base and said screw accepting aperture of said first leg of said plate.